

? show files

File 348:EUROPEAN PATENTS 1978-201006  
 (c) 2010 European Patent Office  
 File 349:PCT FULLTEXT 1979-2010/UB=20100205;UT=20100204  
 (c) 2010 WIPO/Thomson

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| Set | Items  | Description  |
|-----|--------|--|
| S1  | 94229  | ((MEDIA(1W)ACCESS???) (1W)CONTROL? ? ) OR MAC? ?   |
| S2  | 415087 | {LAYER? ?(2N)(TWO OR SECOND OR 2 OR 2ND OR NEXT)) OR L2 OR L()2  |
| S3  | 483355 | S1 OR S2   |
| S4  | 16604  | S3(5N){NETWORK? OR DISTRIBUTED() (MEDIUM OR MEDIA OR SYSTEM OR COMMUNICAT? OR TRANSMIT???? OR TRANSMISSION? ? OR TRANSFER-?) OR LAN? ? OR WAN? ? OR NODE? ? OR SERVER? ? OR NAMESPACE? ? OR NAME()SPACE? ? OR DOMAIN? ?}   |
| S5  | 397788 | {OUTPUT? OR BROADCAST? OR PROLIFERAT? OR UPLOAD? OR TRANSMIT? OR TRANSMISSION? ? OR SEND? OR SENT OR TRANSFER? OR ROUTE OR ROUTING OR FORWARD?}(10N){LEARN? OR FEEDBACK? OR FEED()BACK? OR RESPOND? OR RESPONSE? ? OR COMMENT OR COMMENTS OR REMARK OR REMARKS OR ANSWER? ? OR STATEMENT? ? OR REPL??? OR RATE? ? OR RATING OR SCORE? ? OR SCORING OR GRADE? ? OR GRADING} |
| S6  | 1171   | S4(40N)S5  |
| S7  | 32568  | S3(3N){ADDRES? OR ID OR IDS OR IDENTIFIER? ? OR IDENTIFICATION? ? OR ADDRESS?? OR POINTER? ? OR CODE OR CODES OR NUMBER? ? OR LOCATION? ? OR TAG? ? OR REFERENCE? ? OR INDEX?? OR INDICES}   |
| S8  | 494    | S7(30N)S6  |
| S9  | 190267 | {CONTINUOUS? OR CONTINUAL? OR REGULAR? OR FREQUENT? OR INTERMITTENT? OR SPORADIC? OR PERIOD? OR INTERVAL? ? OR MOMENTS - OR INTERMEDIAT?}(4N){OUTPUT? OR BROADCAST? OR PROLIFERAT? OR - UPLOAD? OR TRANSMIT? OR TRANSMISSION? ? OR SEND? OR SENT OR TRANSFER? OR ROUTE OR ROUTING OR FORWARD?}   |
| S10 | 240    | S8 AND S9  |
| S11 | 197    | S8 AND PY=1963:2004  |
| S12 | 42     | S8(100N)S9   |
| S13 | 15     | S12 AND PY=1963:2004   |

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## Subject summary

? t/ 3,k/ all

**Dialog eLink:** [Order](#) [File History](#)

DIALOG(R) File 348: EUROPEAN PATENTS  
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13/3K/1 (Item 1 from file: 348)  
01802426

**NETWORK SYSTEM, LEARNING BRIDGE NODE, LEARNING METHOD, AND PROGRAM THEREOF**  
NETZWERKSYSTEM, LERNBRUCKENKNOTEN, LERNVERFAHREN UND PROGRAMM DAFÜR  
SYSTEME RESEAU, NOEUD DE PONT D'APPRENTISSAGE, PROCEDE D'APPRENTISSAGE, ET PROGRAMME ASSOCIE

### Patent Assignee:

- **NEC CORPORATION** (236697)  
7-1, Shiba 5-chome; Minato-ku, Tokyo 108-8001 (JP)  
(Applicant designated States: all)

### Inventor:

- **ENOMOTO, Nobuyuki, NEC Corporation**  
7-1, Shiba 5-chome, Minato-ku; Tokyo 108-8001; (JP)
- **HIDAKA, Youichi, NEC Corporation**  
7-1, Shiba 5-chome, Minato-ku; Tokyo 108-8001; (JP)
- **UMAYABASHI, Masaki, NEC Corporation**  
7-1, Shiba 5-chome, Minato-ku; Tokyo 108-8001; (JP)
- **IWATA, Atsushi, NEC Corporation**  
7-1, Shiba 5-chome, Minato-ku; Tokyo 108-8001; (JP)

### Legal Representative:

- **Vossius & Partner (100314)**  
Siebertstrasse 4; 81675 Munchen; (DE)

|             | Country | Number     | Kind | Date     |         |
|-------------|---------|------------|------|----------|---------|
| Patent      | EP      | 1601137    | A1   | 20051130 | (Basic) |
|             | WO      | 2004075482 |      | 20040902 |         |
| Application | EP      | 2004701101 |      | 20040109 |         |
|             | WO      | 2004JP124  |      | 20040109 |         |
| Priorities  | JP      | 200341727  |      | 20030219 |         |

**Designated States:**

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LI; LU; MC;  
NL; PT; RO; SE; SI; SK; TR

**Extended Designated States:**

AL; LT; LV; MK

**International Patent Class (V7):** H04L-012/28; H04L-012/56 **Abstract Word Count:** 45

**NOTE: Figure number on first page:** 10

**Language** Publication: English

Procedural: English

Application: Japanese

| Fulltext Availability                  | Available Text | Language  | Update | Word Count |
|--|----------------|-----------|--------|------------|
| CLAIMS A                               |                | (English) | 200548 | 2554       |
| SPEC A                                 |                | (English) | 200548 | 53629      |
| Total Word Count (Document A) 56183    |                |           |        |            |
| Total Word Count (Document B) 0        |                |           |        |            |
| Total Word Count (All Documents) 56183 |                |           |        |            |

**Specification:** ...method for a network having plural nodes connected, wherein a node belonging to said network **transmits** a learning frame periodically to a path opposite to that in which a main signal... ..to the present invention of claim 32 is characterized by that said node learns a **forwarding** tag to be added according to said **learning** frame.

The present invention of claim 33 is characterized by a learning method for a network having plural nodes connected, wherein a node belonging to said **network** refers to a **MAC** SA table cache to judge whether or not a **learning** frame **transmission** request is made, and stores a source **MAC** address (**MAC** SA) which has made a **learning** frame **transmission** request in said **MAC** SA table cache.

A **learning** method according to the present invention of claim 34 is characterized by that said **node** performs aging of said **MAC** SA table cache and makes a **learning** frame **transmission** request to a CPU.

A **learning** method according to the present invention of claim 35 is characterized by that said node...

**Claims:** ...method of a network having plural nodes connected, wherein a node belonging to said network **transmits** a learning frame periodically to a path opposite to that in which a main signal... ..32. The learning method as set forth in claim 31, wherein said node learns a **forwarding** tag to be added according to said **learning** frame.

33. A learning method of a network having plural nodes connected, wherein

a node belonging to said **network**:

refers to a **MAC** SA table cache to judge whether or not a **learning** frame **transmission** request is made, and

stores a source **MAC** address (**MAC** SA) which has made a **learning** frame **transmission** request in said **MAC** SA table cache.

34. The **learning** method as set forth in claim 33, wherein

said **node**

performs aging of said **MAC** SA table cache and

makes a **learning** frame **transmission** request to a CPU.

35. The **learning** method as set forth in claim 34, wherein

said node is provided with

a learning...

**Dialog eLink:** [Order File History](#)

DIALOG(R) File 348: EUROPEAN PATENTS  
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13/3K/2 (Item 2 from file: 348)  
01752536

**METHODS AND APPARATUS FOR HOME ADDRESS MANAGEMENT AT HOME AGENT FOR NAI BASED  
MOBILE NODES**  
VERFAHREN UND GERAT ZUR VERWALTUNG VON ADRESSEN IN EINEM HEIMAGENTEN FUR NAI BASIERTE  
MOBILKNOTEN  
PROCEDES ET APPAREIL DE GESTION D'ADRESSE DE PISTE AU NIVEAU D'UN AGENT LOCAL POUR DES NOEUDS  
MOBILES BASES SUR UN IDENTIFICATEUR D'ADRESSE RESEAU

**Patent Assignee:**

- **Cisco Technology, Inc.** (2547582)  
170 West Tasman Drive; San Jose, CA 95134-1706 (US)  
(Proprietor designated states: all)

**Inventor:**

- **PATEL, Alpesh**  
4448 Newman Place; Pleasanton, California 94588; (US)

- **LEUNG, Kent, K.**  
510 McCarthy Blvd.; Milpitas, CA 95035; (US)
- **CHANDRA, Madhavi, W.**  
113 Holmhurst Court; Cary, NC 27519; (US)

**Legal Representative:**

- **Kazi, Ilya (86111)**  
Mathys & Squire LLP 120 Holborn; London EC1N 2SQ; (GB)

|             | Country | Number      | Kind | Date     |         |
|-------------|---------|-------------|------|----------|---------|
| Patent      | EP      | 1554859     | A1   | 20050720 | (Basic) |
|             | EP      | 1554859     | B1   | 20081119 |         |
|             | WO      | 2004036875  |      | 20040429 |         |
| Application | EP      | 2003809114  |      | 20031016 |         |
|             | WO      | 2003US32958 |      | 20031016 |         |
| Priorities  | US      | 273705      |      | 20021017 |         |

**Designated States:**

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LI; LU; MC;  
NL; PT; RO; SE; SI; SK; TR

**Extended Designated States:**

AL; LT; LV; MK

**International Patent Class (V7): H04L-029/06**

| International Classification (Version 8) IPC | Level | Value | Position | Status | Version  | Action   | Source | Office |
|--|-------|-------|----------|--------|----------|----------|--------|--------|
| H04L-0029/06                                 | A     | I     | F        | B      | 20060101 | 20040504 | H      | EP     |

**NOTE:** No A-document published by EPO

**Language** Publication: English

Procedural: English

Application: English

| Fulltext Availability Available Text   | Language  | Update | Word Count |
|--|-----------|--------|------------|
| CLAIMS B                               | (English) | 200847 | 1731       |
| CLAIMS B                               | (German)  | 200847 | 1749       |
| CLAIMS B                               | (French)  | 200847 | 1838       |
| SPEC B                                 | (English) | 200847 | 5762       |
| Total Word Count (Document A) 0        |           |        |            |
| Total Word Count (Document B) 11080    |           |        |            |
| Total Word Count (All Documents) 11080 |           |        |            |

**Specification:** ...address.

When the Mobile Node receives the first control message (e.g., ARP request), it **sends** a second control message (e.g., ARP **reply**) at 622 in reply to the Home Agent. Specifically, the ARP reply is addressed to... ..the source IP address of the ARP request. Although the ARP reply typically includes a **MAC address** assigned to the Mobile

**Note**, the Home Agent merely interprets the receipt of the ARP reply as an indicator of... ..address provided in the ARP reply for purposes of this invention.

The Home Agent preferably **periodically sends** a first control message such as an ARP request as described above. The Home Agent...

**Dialog eLink:** Order File History

DIALOG(R) File 348: EUROPEAN PATENTS  
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13/3K/3 (Item 3 from file: 348)  
01072951

**COMMUNICATION CONTROL SYSTEM**  
**UBERTRAGUNGSSTEUERUNGSSYSTEM**  
**SYSTEME DE COMMANDE DE TRANSMISSION**

**Patent Assignee:**

- **Yokogawa Electric Corporation (692190)**  
9-32, Nakacho 2-chome, Musashino-shi; Tokyo 180-8750 (JP)  
(Applicant designated States: all)

**Inventor:**

- **OGAWA, Toshio, Yokogawa Electric Corporation**  
9-32, Nakacho 2-chome; Musashino-shi, Tokyo 180-8750; (JP)
- **AKIYAMA, Chuuji, Yokogawa Electric Corporation**  
9-32, Nakacho 2-chome; Musashino-shi, Tokyo 180-8750; (JP)

**Legal Representative:**

- **Henkel, Feiler, Hanzel (100401)**  
Mohlstrasse 37; 81675 Munchen; (DE)

|             | Country | Number   | Kind | Date     |         |
|-------------|---------|----------|------|----------|---------|
| Patent      | EP      | 981226   | A1   | 20000223 | (Basic) |
|             | WO      | 9937060  |      | 19990722 |         |
| Application | EP      | 99900162 |      | 19990111 |         |
|             | WO      | 99JP56   |      | 19990111 |         |
| Priorities  | JP      | 984956   |      | 19980113 |         |

**Designated States:**  
DE; NL

**International Patent Class (V7):** H04L-012/40**Abstract Word Count:** 147  
**NOTE:** Figure number on first page: 1

**Language** Publication: English  
Procedural: English  
Application: Japanese

| Fulltext Availability                 | Available Text | Language  | Update | Word Count |
|---------------------------------------|----------------|-----------|--------|------------|
| CLAIMS A                              |                | (English) | 200008 | 1074       |
| SPEC A                                |                | (English) | 200008 | 5429       |
| Total Word Count (Document A) 6503    |                |           |        |            |
| Total Word Count (Document B) 0       |                |           |        |            |
| Total Word Count (All Documents) 6503 |                |           |        |            |

**Specification:** ...one of the routes. Routing Algorithm 1.3

The sending station continues to use one **route** as the **regular-use route**. Once a communication problem is detected in the **route**, switch over of **regular-use route** takes place.

Diagnosis Algorithm 1

Routing algorithm 1 can be accompanied with a diagnosis algorithm... ..algorithm.

Diagnosis Algorithm 1.1

The diagnosis frame is ECHO message of ICMP. One station **sends** ECHO request and receives ECHO **response** from the other station if the **route** is operational.

Diagnosis Algorithm 1.2

A station sends diagnosis frame to all of **MAC addresses** on the **network**. All possible routes can be examined by this algorithm.

Diagnosis Algorithm 1.3

A station sends diagnosis frame only to **MAC addresses** which are necessary to secure the routes. It is not necessary to send diagnosis frame...

**Dialog eLink:** [Order File History](#)

DIALOG(R) File 348: EUROPEAN PATENTS  
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13/3K/4 (Item 4 from file: 348)  
00924940

**Communication system for communicating a plurality of time-division multiplexed data, and control method therefor**

Übertragungssystem und Steuerungsverfahren zur Vermittlung von Zeitmultiplexdaten

Système de transmission et procédé de commande pour communiquer des données à multiplexage temporel

**Patent Assignee:**

- **CANON KABUSHIKI KAISHA (542361)**  
30-2, 3-chome, Shimomaruko, Ohta-ku; Tokyo (JP)  
(Applicant designated States: all)

**Inventor:**

- **Tsukamoto, Takahiro**  
Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome; Ohta-ku, Tokyo; (JP)
- **Ohuchi, Masatomo**  
Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome; Ohta-ku, Tokyo; (JP)

**Legal Representative:**

- **Beresford, Keith Denis Lewis et al (26273)**  
BERESFORD & Co. High Holborn 2-5 Warwick Court; London WC1R 5DJ; (GB)

|             | Country | Number   | Kind | Date     |         |
|-------------|---------|----------|------|----------|---------|
| Patent      | EP      | 843442   | A2   | 19980520 | (Basic) |
|             | EP      | 843442   | A3   | 19990908 |         |
| Application | EP      | 97309129 |      | 19971113 |         |
| Priorities  | JP      | 96318620 |      | 19961115 |         |
|             | JP      | 9717878  |      | 19970116 |         |

**Designated States:**

DE; FR; GB

**Extended Designated States:**

AL; LT; LV; MK; RO; SI

**International Patent Class (V7):** H04L-012/28; H04L-012/46; H04L-029/06 **Abstract Word Count:** 138

**NOTE: Figure number on first page:** 1

**Language** Publication: English

Procedural: English

Application: English

| Fulltext Availability                  | Available Text | Language  | Update | Word Count |
|--|----------------|-----------|--------|------------|
| CLAIMS A                               |                | (English) | 9821   | 2757       |
| SPEC A                                 |                | (English) | 9821   | 9609       |
| Total Word Count (Document A) 12366    |                |           |        |            |
| Total Word Count (Document B) 0        |                |           |        |            |
| Total Word Count (All Documents) 12366 |                |           |        |            |

**Specification:** ...coding). Upon compression coding, compression-coded data of a voice during a non-vocal activity **period** is not **output** under the non-vocal activity control.



The LAN interface 12 inputs/outputs LAN data, detects an IEEE802.3 frame from input **LAN** data, checks an **MAC address** and the like by a bridge function based on **MAC address learning**, and controls data **transfer** in accordance with the checking result.

Compression-coded data from the telephone channel interface 11...

**Dialog eLink:** [Order](#) [File](#) [History](#)

DIALOG(R)File 348: EUROPEAN PATENTS  
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13/3K/5 (Item 5 from file: 348)  
00923444

**Broadcast isolation and level 3 network switch**  
Übertragungstrennung und Ebene-3-Netzwerk-Vermittlung  
Isolement de diffusion et commutateur de reseau de couche trois

**Patent Assignee:**

- **Hewlett-Packard Company, A Delaware Corporation** (3016020)  
3000 Hanover Street; Palo Alto, CA 94304 (US)  
(Proprietor designated states: all)

**Inventor:**

- **Bare, Ballard C.**  
245 Hidden Creek Drive; Auburn, CA 95603; (US)

**Legal Representative:**

- **Jehan, Robert et al** (72663)  
Williams Powell Morley House 26-30 Holborn Viaduct; London EC1A 2BP; (GB)

|             | Country | Number   | Kind | Date     |         |
|-------------|---------|----------|------|----------|---------|
| Patent      | EP      | 841782   | A1   | 19980513 | (Basic) |
|             | EP      | 841782   | B1   | 20040204 |         |
| Application | EP      | 97308944 |      | 19971107 |         |
| Priorities  | US      | 744335   |      | 19961107 |         |

**Designated States:**

DE; FR; GB

**International Patent Class (V7):** H04L-012/46; H04L-012/18**Abstract Word Count:** 161

**NOTE: Figure number on first page:** 1

**Language** Publication: English

Procedural: English

Application: English

| Fulltext Availability                  | Available Text | Language  | Update | Word Count |
|--|----------------|-----------|--------|------------|
| CLAIMS A                               |                | (English) | 199820 | 345        |
| SPEC A                                 |                | (English) | 199820 | 16975      |
| CLAIMS B                               |                | (English) | 200406 | 413        |
| CLAIMS B                               |                | (German)  | 200406 | 398        |
| CLAIMS B                               |                | (French)  | 200406 | 540        |
| SPEC B                                 |                | (English) | 200406 | 17382      |
| Total Word Count (Document A) 17322    |                |           |        |            |
| Total Word Count (Document B) 18733    |                |           |        |            |
| Total Word Count (All Documents) 36055 |                |           |        |            |

**Specification:** ...and, assuming no local servers, the switch will respond. Instead of replying with the switch **MAC** address, the switch will put in the actual MAC address of the **server** (It could just as well respond with the VLAN MAC address because the clients seem to ignore this information). The client then **sends** the **broadcast** RIP request and the switch will **respond** using the **MAC address** of the **server** (the **MAC address** was learned from the SAP response). All unicast packets to and from the client and server will take place via level 2 switching. The switch's **response** to the **broadcast** NSQ and RIP is where the level 3 switch reduces the amount of broadcast traffic... ..VLANs and would still occur in a single VLAN/IPX network environment. The switch will **send** **periodic** RIPs and SAPs as if it were a router. These packets are only used by...

**Specification:** ...and, assuming no local servers, the switch will respond. Instead of replying with the switch **MAC** address, the switch will put in the actual MAC address of the **server** (It could just as well respond with the VLAN MAC address because the clients seem to ignore this information). The client then **sends** the **broadcast** RIP request and the switch will **respond** using the **MAC address** of the **server** (the **MAC address** was learned from the SAP response). All unicast packets to and from the client and server will take place via level 2 switching. The switch's **response** to the **broadcast** NSQ and RIP is where the level 3 switch reduces the amount of broadcast traffic... ..VLANs and would still occur in a single VLAN/IPX network environment. The switch will **send** **periodic** RIPs and SAPs as if it were a router. These packets are only used by...

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DIALOG(R) File 348: EUROPEAN PATENTS  
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13/3K/6 (Item 6 from file: 348)  
00914738

**Network node and method of frame transfer**  
Netzknoten und Verfahren für Rahmenübertragung  
Noeud de reseau et procede pour transfert de trames

**Patent Assignee:**

- **KABUSHIKI KAISHA TOSHIBA** (213130)  
72, Horikawa-cho, Saiwai-ku; Kawasaki-shi, Kanagawa-ken 210 (JP)  
(applicant designated states: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE)

**Inventor:**

- **Katsube, Yasuhiro**  
c/o Toshiba Corporation, Intell. Prop. Div.; 1-1-1, Shibaura, Minato-ku, Tokyo; (JP)
- **Yamato, Katsumi**  
c/o Toshiba Corporation, Intell. Prop. Div.; 1-1-1, Shibaura, Minato-ku, Tokyo; (JP)

- **Matsuzawa, Shigeo**  
c/o Toshiba Corporation, Intell. Prop. Div.; 1-1-1, Shibaura, Minato-ku, Tokyo; (JP)

**Legal Representative:**

- **Waldren, Robin Michael (55602)**  
MARKS & CLERK, 57-60 Lincoln's Inn Fields; London WC2A 3LS; (GB)

|             | Country | Number   | Kind | Date     |         |
|-------------|---------|----------|------|----------|---------|
| Patent      | EP      | 835009   | A2   | 19980408 | (Basic) |
|             | EP      | 835009   | A3   | 19990714 |         |
| Application | EP      | 97307824 |      | 19971003 |         |
| Priorities  | JP      | 96264011 |      | 19961004 |         |

**Designated States:**

DE; FR; GB; SE

**International Patent Class (V7):** H04L-012/46; H04Q-011/04; **Abstract Word Count:** 94**Language** Publication: English

Procedural: English

Application: English

| Fulltext Availability                  | Available Text | Language  | Update | Word Count |
|--|----------------|-----------|--------|------------|
| CLAIMS A                               |                | (English) | 9815   | 2513       |
| SPEC A                                 |                | (English) | 9815   | 17244      |
| Total Word Count (Document A) 19757    |                |           |        |            |
| Total Word Count (Document B) 0        |                |           |        |            |
| Total Word Count (All Documents) 19757 |                |           |        |            |

**Specification:** ...function using the DVL ack message sent from R2 to R1. Specifically, while the destination **MAC** address of the DVL ack message is R1, the determined DVLI value is entered as its source MAC address.

The **intermediate** Ethernet switch on the **transfer** route uses its learning function. Specifically, the Ethernet switch examines the source MAC address field of a received frame, and recognizes that there exists a node having the **MAC address** written in the source **MAC address** field ahead of the interface whereby the frame was received. Then, the Ethernet switch stores the correspondence between the **MAC address** and the interface, and use this correspondence for transfer of subsequent frames. In this case... ..interface to be used for outputting a received frame having this DVLI in its destination **MAC address** field, i.e., interface connected to R2.

The learned MAC address information (including DVLI) may... ..the lapse of a certain time. However, such aging can be prevented by having R2 **periodically send** a message for DVL maintenance to R1. The source MAC address field of this maintenance...

**Dialog eLink:** [Order File History](#)

13/3K/7 (Item 1 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01165550

**METHOD, NETWORK NODE, MESSAGES AND COMPUTER PROGRAM FOR USE IN MOBILITY SUPPORT IN A PACKET-SWITCHED DATA COMMUNICATION NETWORK**

PROCEDE, NOEUD DE RESEAU, MESSAGES ET PROGRAMME INFORMATIQUE POUR UTILISATION DANS UN SUPPORT DE MOBILITE DANS UN RESEAU DE COMMUNICATION DE DONNEES A COMMUTATION PAR PAQUETS

**Patent Applicant/ Patent Assignee:**

- **KING'S COLLEGE LONDON**  
The Strand, London WC2R 2LS; GB; GB(Residence); GB(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

- **ANTOINE Stephane**  
Centre for Telecommunications Research, King's College London, The Strand, London WC2R 2LS; GB; GB(Residence); CI(Nationality); (Designated only for: US)
- **AGHVAMI Abdol Hamid**  
Centre for Telecommunications Research, King's College London, The Strand, London WC2R 2LS; GB; GB(Residence); GB(Nationality); (Designated only for: US)

**Legal Representative:**

- **CASBON Paul Richard (agent)**  
Lucas & Co., 135 Westhall Road, Warlingham, Surrey CR6 9HJ; GB

|             | Country | Number     | Kind  | Date     |
|-------------|---------|------------|-------|----------|
| Patent      | WO      | 200489005  | A2-A3 | 20041014 |
| Application | WO      | 2004GB1321 |       | 20040326 |
| Priorities  | GB      | 20037373   |       | 20030329 |

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;  
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW;

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 17987

**Detailed Description:**

...intermediate routers.

CoA Advertisement messages can be both solicited and unsolicited i.e. they are **sent in response** to a CoA solicitation message 150 as described above and they are **sent periodically** in any event to ensure that details of the IP **addresses**, **network** prefixes and **MAC addresses** of adjacent access routers at the serving access router - 35 are current. This is important... ..of the access routers crash or need to be renumbered for example. A suggested time **interval** for **sending** CoA solicitation messages is 10 minutes, although it may be desirable to increase this in...

**Dialog eLink:** [Order File History](#)

13/3K/8 (Item 2 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01148319

**MOBILE WIRELESS BASE STATION**

STATION DE BASE DE COMMUNICATIONS MOBILES SANS FIL

**Patent Applicant/ Patent Assignee:**

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18881 Von Karman Avenue, Suite 720, Irvine, CA 92612; US; US(Residence); US(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

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Top Global USA, Inc., 18881 Van karman Ave., Suite 720, Irvine, CA 92612; US; CN(Residence); CN(Nationality); (Designated only for: US)
- **YANG Yu**  
Top Global USA, Inc., 18881 Von Karman Ave., Suite 720, Irvine, CA 92612; US; CN(Residence); CN(Nationality); (Designated only for: US)
- **WANG Weizhou**  
Top Global USA, Inc., 18881 Von Karman Ave., Suite 720, Irvine, CA 92612; US; CN(Residence); CN(Nationality); (Designated only for: US)
- **QINGXIN Wei**  
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**Legal Representative:**

- **ZOETEWEE David (agent)**  
Rutan & Tucker, LLP, 611 Anton Blvd., Suite 1400, Costa Mesa, CA 92626; US

|             | Country | Number      | Kind | Date     |
|-------------|---------|-------------|------|----------|
| Patent      | WO      | 200470970   | A1   | 20040819 |
| Application | WO      | 2003US20605 |      | 20030630 |
| Priorities  | CN      | 2003101878  |      | 20030128 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG;

**[AP]** GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 5469

#### Claims:

...or PPPoE.

25 The method of claim 22 comprising obtaining the following information for the **LAN** client: (i) **MAC address** (macAddr); (ii) up link **rate** (upRate); (iii) down link **rate** (downRate); (iv) bytes **transmitted** by the client in the current period (upCount); (v) Bytes received by the client in the current **period** (downCount); (vi) total bytes **transmitted** by the client (upTotal); and total bytes received by the client (downTotal).

26 The method...

**Dialog eLink:** [Order File History..](#)

13/3K/9 (Item 3 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01136395

**BRIDGING BETWEEN A BLUETOOTH SCATTERNET AND AN ETHERNET LAN**  
PONTAGE ENTRE UN RESEAU ECLATE BLUETOOTH ET UN RESEAU LOCAL ETHERNET

**Patent Applicant/ Patent Assignee:**

- **TELEFONAKTIEBOLAGET LM ERICSSON (publ)**  
S-164 83 Stockholm; SE; SE(Residence); SE(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

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- **KAUPPINEN Tero**  
Merivalkama 12 C 39, FIN-02320 Espoo; FI; FI(Residence); FI(Nationality); (Designated only for: US)

**Legal Representative:**

- **ERICSSON MOBILE PLATFORMS AB (agent)**  
IPR & Legal support, S-221 83 Lund; SE

|             | Country | Number      | Kind | Date     |
|-------------|---------|-------------|------|----------|
| Patent      | WO      | 200459911   | A1   | 20040715 |
| Application | WO      | 2003EP14457 |      | 20031218 |
| Priorities  | US      | 2002421132  |      | 20021223 |
|             | US      | 2003735047  |      | 20031212 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN,  
IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
VN, YU, ZA, ZM, ZW

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 37708

**Detailed Description:**

...scatternet with a LAN. Therefore, the ARP request is included, or piggybacked, in a NAL **route** request. The ARP **reply** (if any) will likewise be piggybacked on a NAL **route reply**. The result is that when the IP address of the destination **node** is translated to a **MAC address**, the route through the scatternet is already established so that subsequent packets can be delivered... "snoop" every ARP packet it receives from the higher layers before the ARP packet is **sent**.

**Regular route** requests (without piggybacked ARP requests) will of course still be used. For example, when

the... ARP cache), there is no need to send an ARP request. In this situation, a **regular route** request will be **sent** if the node does not already have a route entry for the destination node.

The... while a route reply without a piggybacked ARP reply will be referred to as a "**regular** route reply" or a "non-ARProute-reply." The term "route reply" will henceforth refer to... address is not known). In addition, only the destination node can reply to an ARP-route-request.

Proxy **replies** by intermediate nodes (as is the case for regular **route** request) are not allowed. This means that in a stand-alone scatternet or a scatternet... to only a single NAP, a node can (in most situations) receive only one ARP-route-reply to an ARP-route-request. Reception of more than one ARP-route-reply by a node indicates that more than one node is using the same IP address. Such an error would be obvious also from the fact that the **MAC addresses** of the **nodes sending** the **route replies** WO 2004/059911 PCT/EP2003/014457 26

In addition, when a node receives an ARP... detection of duplicate addresses (which may occur during autoconfiguration). In the case of an ARP-route-request concerning a link-local IP address, the response should not be only a broadcast ARP reply, since that will not establish a **route**. Therefore a unicast ARProute-reply is **sent** to establish a **route** (and convey the MAC address to the source node), and a **broadcast** ARP reply is **broadcast** to facilitate duplicate address detection as stipulated by the Internet-Draft. Upon receipt by the NAP, the **broadcast** ARP reply is **forwarded** to the LAN as a **broadcast** ARP reply. Similarly, the unicast ARP-routereply is converted into an ARP reply and forwarded to the... to the destination node along an existing route, if one is available. Otherwise, the NAP **sends** a **regular route** request (non-ARP-route-request) into the scatternet using the AD broadcast type in order to establish a route... broadcast ARP reply.

The first NAP, i.e., the NAP that sent the encapsulated ARP-route-request and the **regular** ARP request, will wait for **replies** to either of the messages. If the destination node is located on the LAN, the NAP can expect to receive a single **reply** (a unicast ARP-reply or a **broadcast** ARP reply). Note that on a shared medium **LAN**, unicast means that a unicast **MAC address** is the destination address of the packet.

However, all the nodes on the LAN will...

#### **Dialog eLink:** [Order File History](#)

13/3K/10 (Item 4 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01134702

#### **BRIDGING BETWEEN A BLUETOOTH SCATTERNET AND AN ETHERNET LAN** **PONTAGE ENTRE UN SCATTERNET BLUETOOTH ET UN LAN ETHERNET**

##### **Patent Applicant/ Patent Assignee:**

- **TELEFONAKTIEBOLAGET LM ERISSON (publ)**  
S-164 83 Stockholm; SE; SE(Residence); SE(Nationality); (For all designated states except: US)

##### **Patent Applicant/ Inventor:**

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- **KAUPPINEN Tero**  
Merivalkama 12 C 39, FIN-02320 Espoo; FI; FI(Residence); FI(Nationality); (Designated only for: US)

##### **Legal Representative:**



- **ERICSSON MOBILE PLATFORMS AB (agent)**  
IPR & Legal support, S-221 83 Lund; SE

|             | Country | Number      | Kind | Date     |
|-------------|---------|-------------|------|----------|
| Patent      | WO      | 200457801   | A1   | 20040708 |
| Application | WO      | 2003EP14458 |      | 20031218 |
| Priorities  | US      | 2002421136  |      | 20021223 |
|             | US      | 2003734934  |      | 20031212 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN,  
IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
VN, YU, ZA, ZM, ZW

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 35191

#### Detailed Description:

...scattnet with a LAN. Therefore, the ARP request is included, or piggybacked, in a NAL **route** request. The ARP **reply** (if any) will likewise be piggybacked on a NAL **route reply**. The result is that when the IP address of the destination **node** is translated to a **MAC address**, the route through the scattnet is 20 already established so that subsequent packets can be ... ..snoop" every ARP packet it receives from the higher layers before the ARP packet is **sent**.

**Regular route** requests (without piggybacked ARP requests) will of course still be used. For example, when the... ..ARP cache), there is no need to send an ARP request. In this situation, a **regular route** request will be **sent** if the node does not already have a route entry for the destination node,

The... ..a route reply without a 5 piggybacked ARP reply will be referred to as a "**regular** route reply" or a "non-ARProute-reply." The term "route reply" will henceforth refer to... ..not 1 5 known). In addition, only the destination node can reply to an ARP-**route**-request.

Proxy **replies** by intermediate nodes (as is the case for regular **route** request) are not allowed. This means that in a stand-alone scattnet or a scattnet... ..to only a single NAP, a node can (in most situations) receive only one ARP-**route-reply** to an ARP-**route**-request. Reception of more than one ARP-**route-reply** by a node indicates 20 that more than one node is using the same IP address. Such an error would be obvious also from the fact that the **MAC addresses** of the **nodes sending** the **route replies** WO 2004/057801 PCT/EP2003/014458 26

In addition, when a node receives an ARP...detection of duplicate addresses (which may occur during autoconfiguration). In the case of an ARP-**route** -request concerning a link-local IP address, the response should not be only 30 a broadcast ARP reply, since that will not establish a **route**. Therefore a unicast ARProute-**reply** is **sent** to establish a **route** (and convey the MAC address to the source node), and a **broadcast** ARP **reply** is

**broadcast** to facilitate duplicate address detection as stipulated by the Internet-Draft. Upon receipt by the NAP, the **broadcast ARP reply** is **forwarded** to the LAN as a **broadcast ARP reply**. Similarly, the unicast ARP-routereply is converted into an ARP reply and forwarded to the... ..to the destination node along an existing route, if one is available. Otherwise, the NAP **sends a regular route** request (non-ARP-route-request) into the scatternet using the AD broadcast type in order to establish a route...broadcast ARP reply.

The first NAP, i.e., the NAP that sent the encapsulated ARP-route -request and the **regular** ARP request, will wait for **replies** to either of the messages. If the 25 destination node is located on the LAN, the NAP can expect to receive a single **reply** (a unicast ARP **reply** or a **broadcast ARP reply**). Note that on a shared medium **LAN**, unicast means that a unicast **MAC address** is the destination address of the packet.

However, all the nodes on the LAN will...

**Dialog eLink:** [Order File History](#)

13/3K/11 (Item 5 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01134701

**BRIDGING BETWEEN A BLUETOOTH SCATTERNET AND AN ETHERNET LAN**

TRANSITION ENTRE UN RESEAU ECLATE BLUETOOTH ET UN RESEAU LOCAL ETHERNET

**Patent Applicant/ Patent Assignee:**

- **TELEFONAKTIEBOLAGET LM ERI CSSON (publ)**  
S-164 83 Stockholm; SE; SE(Residence); SE(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

- **RUNE Johan**  
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- **LARSSON Tony**  
Kungsholms Strand 139, 3 tr., S-112 48 Stockholm; SE; SE(Residence); SE(Nationality); (Designated only for: US)
- **KAUPPINEN Tero**  
Merivalkama 12 C 39, FIN-02320 Espoo; FI; FI(Residence); FI(Nationality); (Designated only for: US)

**Legal Representative:**

- **ERI CSSON MOBILE PLATFORMS AB (agent)**  
IPR & Legal support, S-221 83 Lund; SE

|             | Country | Number      | Kind | Date     |
|-------------|---------|-------------|------|----------|
| Patent      | WO      | 200457805   | A1   | 20040708 |
| Application | WO      | 2003EP14456 |      | 20031218 |
| Priorities  | US      | 2002421131  |      | 20021223 |
|             | US      | 2003735488  |      | 20031212 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN,  
IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
VN, YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 33073

#### Detailed Description:

...scatternet with a LAN. Therefore, the ARP request is included, or piggybacked, in a NAL **route** request. The ARP **reply** (if any) will likewise be piggybacked on a NAL **route reply**. The result is that when the IP address of the destination **node** is translated to a **MAC address**, the route through the scatternet is already established so that subsequent packets can be delivered... "snoop" every ARP packet it receives from the higher layers before the ARP packet is **sent**.

**Regular route** requests (without piggybacked ARP requests) will of course still be used. For example, when the... ARP cache), there is no need to send an ARP request. In this situation, a **regular route** request will be **sent** if the node does not already have a route entry for the destination node.

The... while a route reply without a piggybacked ARP reply will be referred to as a "**regular route reply**" or a "non-ARProute-reply." The term "route reply" will henceforth refer to... not 1 5 known). In addition, only the destination node can reply to an ARP-**route**-request.

Proxy **replies** by intermediate nodes (as is the case for regular **route** request) are not allowed. This means that in a stand-alone scatternet or a scatternet... to only a single NAP, a node can (in most situations) receive only one ARP-**route-reply** to an ARP-**route**-request. Reception of more than one ARP-**route-reply** by a node indicates that more than one node is using the same IP address. Such an error would be obvious also from the fact that the **MAC addresses** of the **nodes sending the route replies** WO 2004/057805 PCT/EP2003/014456 26

In addition, when a node receives an ARP...detection of duplicate addresses (which may occur during autoconfiguration). In the case of an ARP-**route**-request concerning a link-local IP address, the response should not be only a broadcast ARP **reply**, since that will not establish a **route**. Therefore a unicast ARProute-**reply** is **sent** to establish a **route** (and convey the MAC address to the source node), and a **broadcast** -ARP **reply** is-**broadcast** to facilitate duplicate address detection as stipulated by the Internet-Draft. Upon receipt by the NAP, the **broadcast ARP reply** is **forwarded** to the LAN as a **broadcast ARP reply**. Similarly, the unicast ARP-routereply is converted into an ARP reply and forwarded to the... to the destination node along an existing route, if one is available. Otherwise, the NAP **sends a regular route** request (non-AR-P-route-request) into the scatternet using the AD broadcast type in...

**Dialog eLink:** [Order File History](#)

13/3K/12 (Item 6 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01114462

**METHODS AND APPARATUS FOR HOME ADDRESS MANAGEMENT AT HOME AGENT FOR NAI BASED MOBILE NODES**  
PROCEDES ET APPAREIL DE GESTION D'ADRESSE DE PISTE AU NIVEAU D'UN AGENT LOCAL POUR DES NOEUDS MOBILES BASES SUR UN IDENTIFICATEUR D'ADRESSE RESEAU

**Patent Applicant/ Patent Assignee:**

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170 West Tasman Drive, San Jose, CA 95134-1706; US; US(Residence); US(Nationality)

**Inventor(s):**

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- **LEUNG Kent K**  
625 Jay Street, Los Altos, CA 94022; US
- **CHANDRA Madhavi W**  
113 Holmhurst Court, Cary, NC 27519; US

**Legal Representative:**

- **HEILBRUNN Elise R (agent)**  
BEYER WEAVER & THOMAS, LLP, P.O. BOX 778, Berkeley, CA 94704-0778; US

|             | Country | Number      | Kind | Date     |
|-------------|---------|-------------|------|----------|
| Patent      | WO      | 200436875   | A1   | 20040429 |
| Application | WO      | 2003US32958 |      | 20031016 |
| Priorities  | US      | 2002273705  |      | 20021017 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,  
GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO,  
RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU,  
ZA, ZM, ZW

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 9465

**Detailed Description:**

... address.

When the Mobile Node receives the first control message (e.g., ARP request), it **sends** a second control message (e.g., ARP **reply**) at 622 in reply to the Home Agent. Specifically, the ARP reply is addressed to... ..the source IP address of the ARP request. Although the ARP reply typically includes a **MAC address** assigned to the Mobile **Node**, the Home Agent merely interprets the receipt of the ARP reply as an indicator of... ..address provided in the ARP reply for purposes of this invention.

The Home Agent preferably **periodically sends** a first control message such as an ARP request as described above. The Home Agent...

**Dialog eLink:** [Order File History](#)

13/3K/13 (Item 7 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01041734

**NETWORK DEVICE MANAGEMENT METHOD, NETWORK DEVICE MANAGEMENT PROGRAM, AND NETWORK CONTROL APPARATUS**

PROCEDE DE GESTION DE DISPOSITIFS DE RESEAU, PROGRAMME DE GESTION DE DISPOSITIFS DE RESEAU, ET APPAREIL DE CONTROLE DE RESEAU

**Patent Applicant/ Patent Assignee:**

- **CANON KABUSHIKI KAISHA**  
3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501; JP; JP(Residence); JP(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

- **NAKAZAWA Toshiyuki**  
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**Legal Representative:**

- **OKABE Masao(et al)(agent)**  
No. 602 Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005; JP

|             | Country | Number     | Kind | Date     |
|-------------|---------|------------|------|----------|
| Patent      | WO      | 200371742  | A1   | 20030828 |
| Application | WO      | 2003JP1862 |      | 20030220 |
| Priorities  | JP      | 200246435  |      | 20020222 |
|             | JP      | 2002141546 |      | 20020516 |

|  | Country | Number    | Kind | Date     |
|--|---------|-----------|------|----------|
|  | JP      | 200318906 |      | 20030128 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,  
NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 8722

#### Detailed Description:

... a network, and each  
of a plurality of network devices connected to the  
network then **transmits a reply** packet. The network  
management software receives the **reply** packet from  
each network device and displays a list of network  
addresses (e.g., IP addresses) or physical **addresses**  
(e.g., **Media Access Control (MAC) addresses**), etc.,  
of the **network** devices found by searching. When a  
user selects one of the network devices from the a network device in a network  
**periodically broadcasts** a request for an address,  
automatic address assignment software executed on a  
host connected to...

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13/3K/14 (Item 8 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00573432

**A COMMUNICATIONS NETWORK**  
RESEAU DE COMMUNICATIONS

**Patent Applicant/ Patent Assignee:**

- **MADGE NETWORKS LIMITED**
- **CHITTENDEN Andrew Stephen**

**Inventor(s):**

- **CHITTENDEN Andrew Stephen**

|             | Country | Number    | Kind | Date     |
|-------------|---------|-----------|------|----------|
| Patent      | WO      | 200036805 | A1   | 20000622 |
| Application | WO      | 99GB4115  |      | 19991207 |
| Priorities  | GB      | 9827383   |      | 19981211 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

US, AT, BE, CH, CY, DE, DK, ES, FI, FR,

GB, GR, IE, IT, LU, MC, NL, PT, SE

**Language** Publication Language: English

Fulltext word count: 6992

**Detailed Description:**

...then placed in the destination MAC field 33. The router 6 also places its own **MAC** address in the source **MAC** field 35 and keeps a record of the IP and **MAC** addresses of the end station 2d.

The **response** data packet is then **transferred** to the end station 2a, which determines the **MAC** address of the router therefrom. This allows all subsequent data to be transferred to the end station 2d directly, via the router 6, using **MAC** addresses.

Once the **network** management mechanisms have used the above mentioned method to establish a suitable route for communication... ..However, if there is no communication between the two such end stations for a set **interval** of time, the **routing** information is erased from the store, in an event known in the art as a...

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13/3K/15 (Item 9 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00353474

**BRIDGE ROUTER FOR HIGH PERFORMANCE SCALABLE NETWORKING**

SYSTEME PASSERELLE ET ROUTEUR CONCU POUR UNE MISE EN RESEAU A GEOMETRIE VARIABLE DE HAUTE PERFORMANCE

**Patent Applicant/ Patent Assignee:**

- **3COM CORPORATION**

**Inventor(s):**

- ISFELD Mark S
- MITCHELL Bruce W
- SEAMAN Michael J
- MALLORY Tracy D
- ARUNKUMAR Nagaraj

|             | Country | Number   | Kind | Date     |
|-------------|---------|----------|------|----------|
| Patent      | WO      | 9635988  | A1   | 19961114 |
| Application | WO      | 96US6562 |      | 19960509 |
| Priorities  | US      | 95438897 |      | 19950510 |
|             | US      | 96599473 |      | 19960123 |

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AU, CA, GB, JP, KR, AT, BE, CH, DE, DK,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE

**Language** Publication Language: English

Fulltext word count: 36682

**Detailed Description:**

...to the Bridge  
DPM Server when another packet for the same destination is received

SA **learning** and age refresh in central bridge **routing** table is handled as follows

The Bridge DPM **forwards learned MAC addresses** to the bridge DPM **Server** in PCU messages. A single PCU can contain several learned addresses. Each address entry in the PCU message contains the **MAC address** and source port number

The Bridge DPM Server creates an entry in the central bridge **routing** table for each **learned** MAC in the PCU message from the Bridge DPM. These entries are subject to the... ..Bridge DPM Server to refresh the age of the corresponding entries in the central bridge **routing** table. The **interval** for **periodically** generating PCU

?